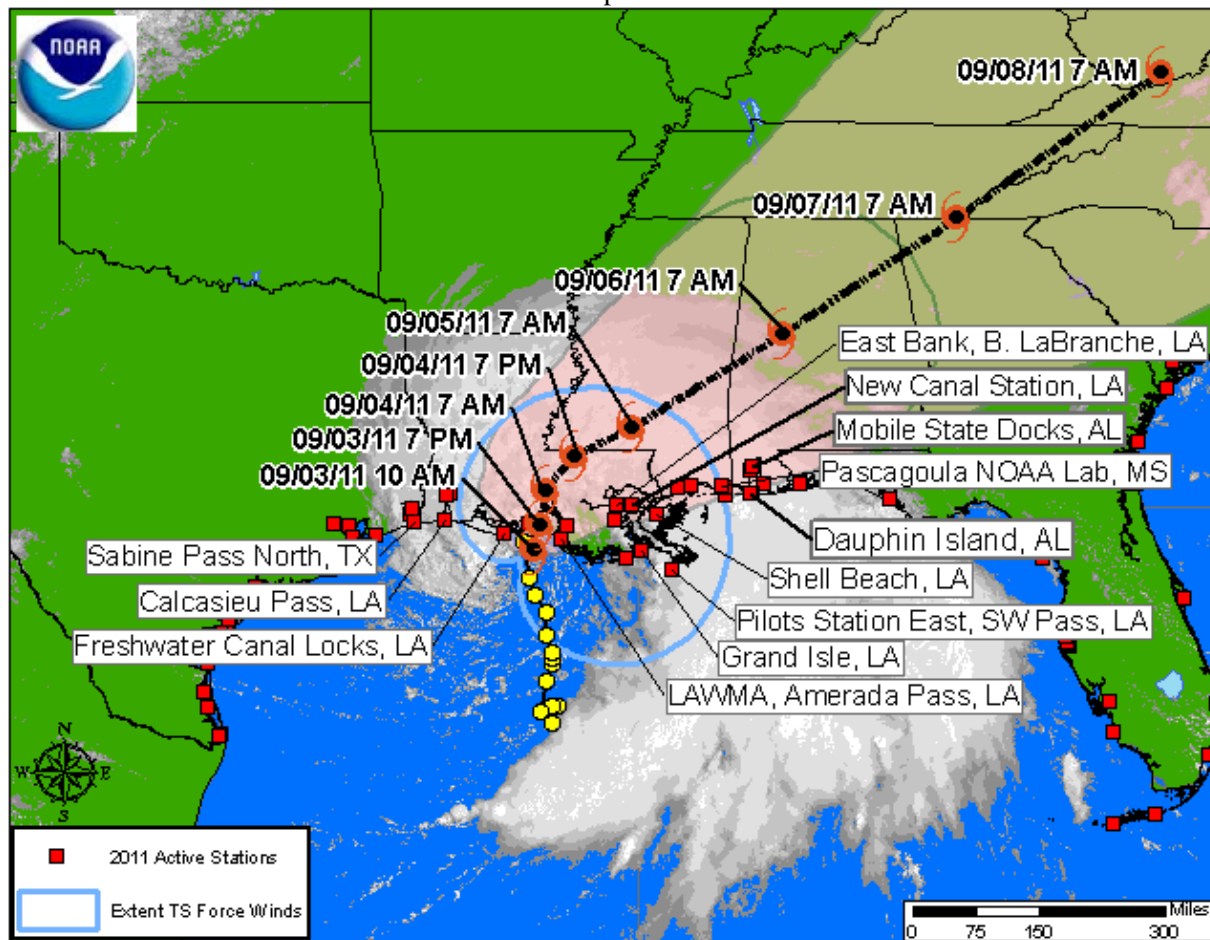


## Tropical Storm LEE QuickLook, POSTED 11:00 CDT 09/03/2011



Tropical Storm LEE QuickLook  
Posted: 11:00 CDT 09/03/2011

### NOAA and NOAA Partnership Stations Relative to the Storm



### Storm Analysis

As of 09/03/2011 11:00 CDT, water levels along the northern Gulf of Mexico coastline from Alabama to eastern Texas are continuing to rise. Levels along the Louisiana coast from LAWMA, Amerada Pass to Shell Beach generally range between 1.5 and 3.75 feet above predictions with Shell Beach, LA measuring the highest residual along the coastline just under 4 feet during the past few hours. Water levels within Lake Pontchartrain are rising as well, partially due to runoff from excessive rainfall, with East Bank and New Canal Station, LA measuring residuals of 1.4 and 3.5 ft above predicted levels, respectively. Water levels along the southwestern Louisiana and southeastern Texas coastline are showing smaller residuals and a few areas are showing water levels now below predicted tide levels.

Winds from southeastern Louisiana to Alabama are rising and range between 20 and 35 kts with higher gusts.

Barometric pressure continues to fall across the region.

## Tropical Storm LEE QuickLook, POSTED 11:00 CDT 09/03/2011

Water Level and Meteorological plots available below are updated automatically. Water level predictions relative to Mean Lower Low Water are:

LAWMA, Amerada Pass, LA: Next predicted high tides are 1.3 ft (0.38 m) at 09/03/2011 23:22 CDT and 1.3 ft (0.41 m) at 09/05/2011 01:12 CDT.

Grand Isle, LA: Next predicted high tides are 1.5 ft (0.47 m) at 09/04/2011 03:06 CDT and 1.5 ft (0.48 m) at 09/05/2011 04:15 CDT.

Pilots Station East, SW Pass, LA: Next predicted high tides are 1.6 ft (0.49 m) at 09/04/2011 01:31 CDT and 1.6 ft (0.51 m) at 09/05/2011 02:43 CDT.

Shell Beach, LA: Next predicted high tides are 1.6 ft (0.48 m) at 09/04/2011 06:56 CDT and 1.6 ft (0.49 m) at 09/05/2011 07:46 CDT.

East Bank 1, Norco, B. LaBranche, LA: Next predicted high tides are 0.4 ft (0.13 m) at 09/03/2011 12:47 CDT and 0.4 ft (0.13 m) at 09/04/2011 13:35 CDT.

New Canal Station, LA: Next predicted high tides are 0.5 ft (0.14 m) at 09/03/2011 11:04 CDT and 0.5 ft (0.14 m) at 09/04/2011 11:44 CDT.

Pascagoula NOAA Lab, MS: Next predicted high tides are 1.6 ft (0.50 m) at 09/04/2011 02:30 CDT and 1.7 ft (0.52 m) at 09/05/2011 03:41 CDT.

Dauphin Island, AL: Next predicted high tides are 1.7 ft (0.52 m) at 09/04/2011 03:37 CDT and 1.7 ft (0.53 m) at 09/05/2011 04:47 CDT.

Mobile State Docks, AL: Next predicted high tides are 2.0 ft (0.61 m) at 09/04/2011 05:01 CDT and 2.0 ft (0.61 m) at 09/05/2011 05:57 CDT.

Freshwater Canal Locks, LA: Next predicted high tides are 2.1 ft (0.63 m) at 09/03/2011 22:15 CDT and 2.1 ft (0.66 m) at 09/04/2011 23:17 CDT.

Calcasieu Pass, LA: Next predicted high tides are 2.1 ft (0.63 m) at 09/03/2011 22:45 CDT and 1.9 ft (0.59 m) at 09/04/2011 06:28 CDT.

Sabine Pass North, TX: Next predicted high tides are 1.8 ft (0.55 m) at 09/03/2011 23:05 CDT and 1.7 ft (0.52 m) at 09/04/2011 06:55 CDT.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For information on Highest Astronomical Tide (HAT), NAVD88 and other datums, please see [Tidal Datums](#). For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst:PFF

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SELECT NATIONAL HURRICANE CENTER ADVISORY INFORMATION:

TROPICAL STORM LEE ADVISORY NUMBER 8

1000 AM CDT SAT SEP 03 2011

...LEE APPROACHING ATCHAFALAYA BAY...HEAVY RAINS...STRONG GUSTY WINDS...AND POSSIBLE TORNADOES LASHING SOUTHEASTERN LOUISIANA...

#### WATCHES AND WARNINGS

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A TROPICAL STORM WARNING IS IN EFFECT FOR...

\* ALABAMA/FLORIDA BORDER WESTWARD TO SABINE PASS TEXAS...INCLUDING THE CITY OF NEW ORLEANS...LAKE PONTCHARTRAIN...AND LAKE MAUREPAS

A TROPICAL STORM WATCH IS IN EFFECT FOR...

\* ALABAMA/FLORIDA BORDER EASTWARD TO DESTIN FLORIDA

A TROPICAL STORM WATCH MEANS THAT TROPICAL STORM CONDITIONS ARE POSSIBLE WITHIN THE WATCH AREA...GENERALLY WITHIN 48 HOURS.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...INCLUDING POSSIBLE INLAND WATCHES AND WARNINGS...PLEASE MONITOR PRODUCTS ISSUED BY YOUR LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICE.

#### DISCUSSION AND 48-HOUR OUTLOOK

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AT 1000 AM CDT THE CENTER OF TROPICAL STORM LEE WAS LOCATED ABOUT 45 MI SW OF MORGAN CITY LOUISIANA AND ABOUT 65 MI S OF LAFAYETTE LOUISIANA. LEE IS MOVING TOWARD THE NORTH NEAR 6 MPH. A SLOW AND POSSIBLY ERRATIC MOTION TOWARD THE NORTH OR NORTH-NORTHWEST IS EXPECTED DURING THE NEXT 24 HOURS...FOLLOWED BY A GRADUAL TURN TOWARD THE NORTHEAST. ON THE FORECAST TRACK...THE CENTER OF LEE IS EXPECTED TO CROSS THE LOUISIANA COAST LATER THIS MORNING OR EARLY AFTERNOON...THEN MOVE SLOWLY ACROSS SOUTHERN LOUISIANA TONIGHT AND SUNDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 60 MPH WITH HIGHER GUSTS. SOME FLUCTUATIONS IN STRENGTH ARE POSSIBLE THIS AFTERNOON AND EVENING...WITH GRADUAL WEAKENING FORECAST TO OCCUR ON SUNDAY.

TROPICAL-STORM-FORCE WINDS EXTEND OUTWARD UP TO 230 MILES FROM THE CENTER. A SUSTAINED WIND OF 49 MPH...80 KM/H AND A GUST TO 54 MPH WERE RECENTLY REPORTED AT THE NOAA BUOY LOCATED ABOUT 50 MILES EAST OF THE MOUTH OF THE MISSISSIPPI RIVER...AND A WIND GUSTS TO NEAR 60 MPH HAVE BEEN REPORTED IN THE NEW ORLEANS METROPOLITAN AREA THIS MORNING.

A STORM SURGE OF 4 FEET WAS RECENTLY REPORTED AT SHELL BEACH LOUISIANA. A SURGE HEIGHT OF 3.5 FEET HAS BEEN REPORTED IN LAKE PONTCHARTRAIN AT NEW CANAL STATION...AND A SURGE HEIGHT OF 2 FEET HAS BEEN REPORTED AS FAR EAST AS PASCAGOULA MISSISSIPPI.

RAINFALL AMOUNTS UP TO 7 INCHES HAVE OCCURRED THUS FAR ACROSS PORTIONS OF SOUTHEASTERN LOUISIANA.

THE MINIMUM CENTRAL PRESSURE RECENTLY REPORTED BY AN AIR FORCE RESERVE RECONNAISSANCE AIRCRAFT WAS 993 MB...29.32 INCHES.

HAZARDS AFFECTING LAND

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RAINFALL...TROPICAL STORM LEE IS EXPECTED TO PRODUCE TOTAL RAIN ACCUMULATIONS OF 10 TO 15 INCHES OVER SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...AND SOUTHERN ALABAMA THROUGH SUNDAY NIGHT...WITH POSSIBLE ISOLATED MAXIMUM AMOUNTS OF 20 INCHES. THESE RAINS ARE EXPECTED TO CAUSE EXTENSIVE FLOODING. RAINFALL AMOUNTS OF 4 TO 8 INCHES WILL BE POSSIBLE OVER THE FLORIDA PANHANDLE THROUGH SUNDAY NIGHT.

STORM SURGE...A STORM SURGE WILL RAISE WATER LEVELS BY AS MUCH AS 3 TO 5 FEET ABOVE GROUND LEVEL ALONG THE LOUISIANA COAST...AND BY AS MUCH AS 2 TO 4 FEET ABOVE GROUND LEVEL ALONG THE MISSISSIPPI AND ALABAMA COASTS INCLUDING MOBILE BAY. SEE PRODUCTS ISSUED BY LOCAL NATIONAL WEATHER SERVICE FORECAST OFFICES FOR MORE DETAILS.

WIND...TROPICAL STORM CONDITIONS ARE EXPECTED TO CONTINUE OVER PORTIONS OF THE WARNING AREA TODAY.

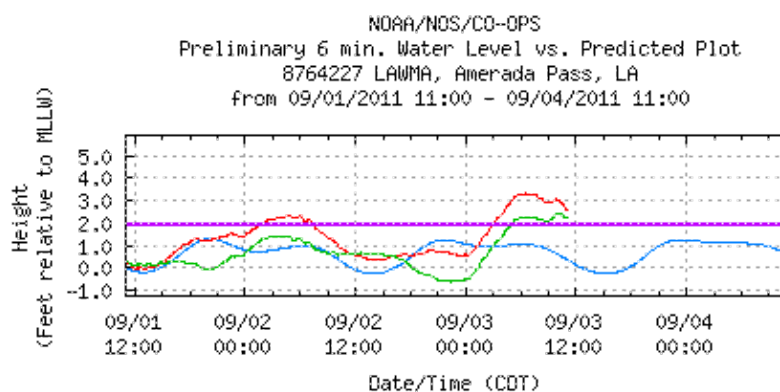
TORNADOES...A FEW TORNADOES WILL BE POSSIBLE THROUGH TONIGHT OVER PORTIONS OF SOUTHERN LOUISIANA...SOUTHERN MISSISSIPPI...SOUTHERN ALABAMA...AND THE FAR WESTERN FLORIDA PANHANDLE.

FORECASTER STEWART

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

Jump to: [LAWMA, Amerada Pass - Water Level](#), [LAWMA, Amerada Pass - Winds](#), [LAWMA, Amerada Pass - Barometric](#), [LAWMA, Amerada Pass - Air/Water Temp](#), [Grand Isle - Water Level](#), [Pilots Station East, SW Pass - Water Level](#), [Pilots Station East, SW Pass - Winds](#), [Shell Beach - Water Level](#), [Shell Beach - Winds](#), [Shell Beach - Barometric](#), [East Bank 1, Norco, B. LaBranche - Water Level](#), [East Bank 1, Norco, B. LaBranche - Winds](#), [East Bank 1, Norco, B. LaBranche - Barometric](#), [New Canal Station - Water Level](#), [New Canal Station - Winds](#), [New Canal Station - Barometric](#), [Pascagoula NOAA Lab - Water Level](#), [Dock C, Port of Pascagoula - Winds](#), [Dock C, Port of Pascagoula - Barometric](#), [Dauphin Island - Water Level](#), [Dauphin Island - Winds](#), [Mobile State Docks - Water Level](#), [Freshwater Canal Locks - Water Level](#), [Freshwater Canal Locks - Winds](#), [Calcasieu Pass - Water Level](#), [Calcasieu Pass - Winds](#), [Calcasieu Pass - Barometric](#), [Sabine Pass North - Water Level](#), [Sabine Pass North - Winds](#), [Sabine Pass North - Barometric](#),

LAWMA, Amerada Pass, LA - Return to List



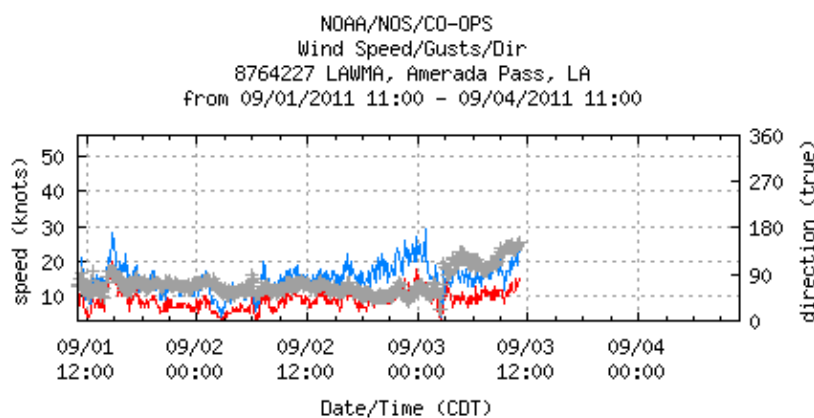
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 11:00 (CDT)

Relative to MLLW: **Observed: 2.59 ft.** **Predicted: 0.37 ft.** **Residual: 2.22 ft.**

Historical Maximum Water Level: Sep 12 2008, 5.92 ft. above MHHW

LAWMA, Amerada Pass, LA - Return to List

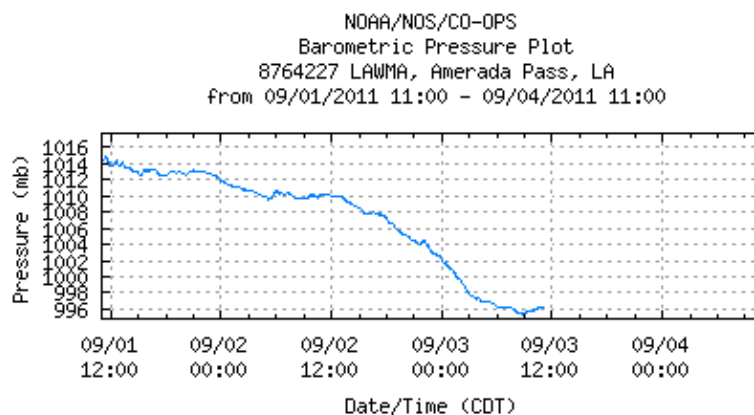


speed — gusts — direction +

Last Observed Sample: 09/03/2011 11:00 (CDT)

**Wind Speed: 15 knots** **Gusts: 24 knots** **Direction: 151° T**

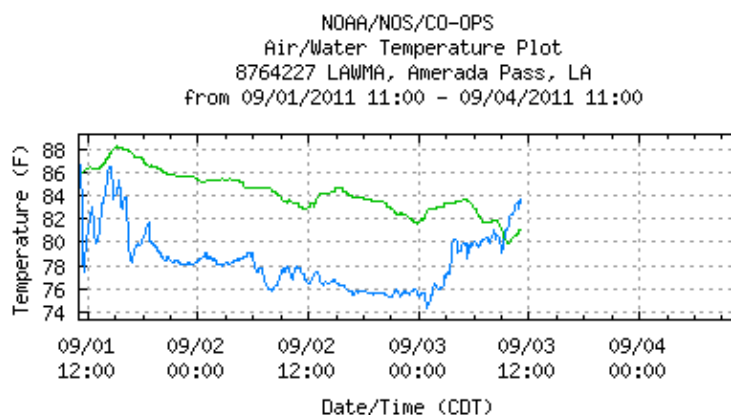
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 11:00 (CDT)

Barometric Pressure: 996.3 mb

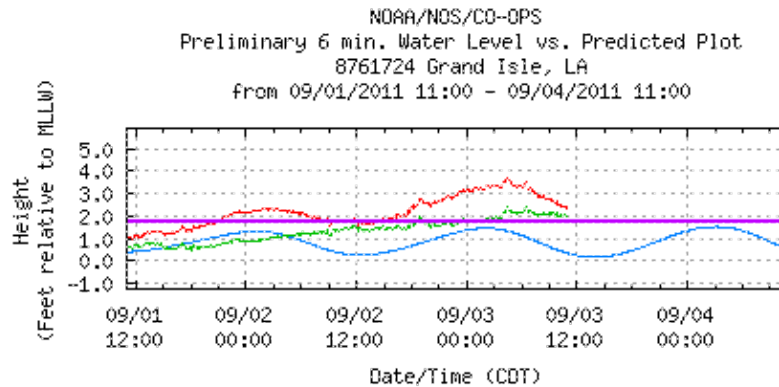
LAWMA, Amerada Pass, LA - Return to List



Last Observed Sample: 09/03/2011 11:00 (CDT)

Water Temperature: 81.0° F Air Temperature: 83.7° F

Grand Isle, LA - Return to List

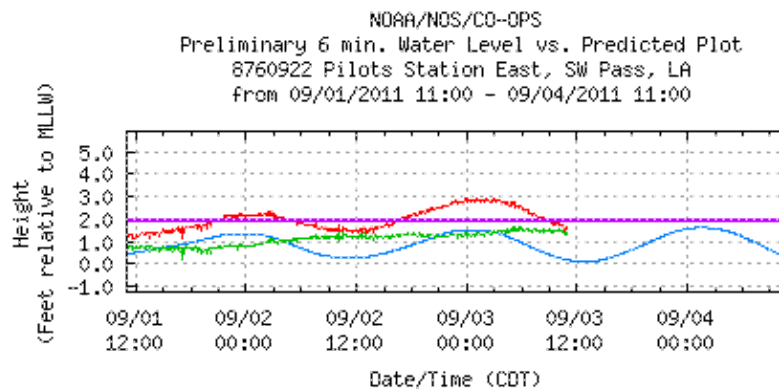


Last Observed Sample: 09/03/2011 10:54 (CDT)

Relative to MLLW: **Observed: 2.36 ft.** **Predicted: 0.36 ft.** **Residual: 2.00 ft.**

Historical Maximum Water Level: Aug 29 2005, 4.54 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List

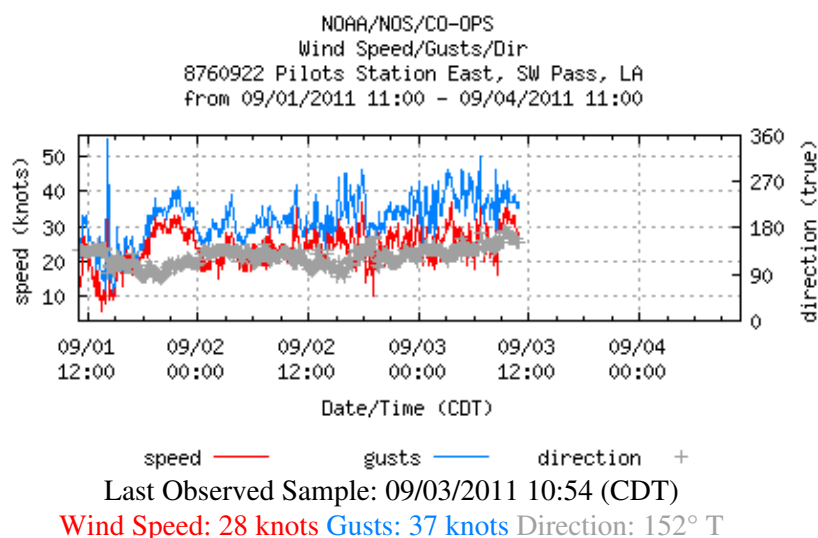


Last Observed Sample: 09/03/2011 10:54 (CDT)

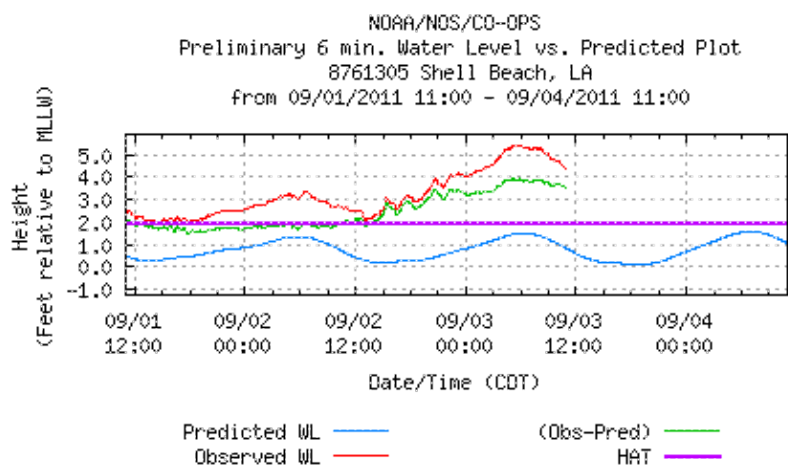
Relative to MLLW: **Observed: 1.62 ft.** **Predicted: 0.19 ft.** **Residual: 1.43 ft.**

Historical Maximum Water Level: Aug 29 2005, 6.22 ft. above MHHW

Pilots Station East, SW Pass, LA - Return to List



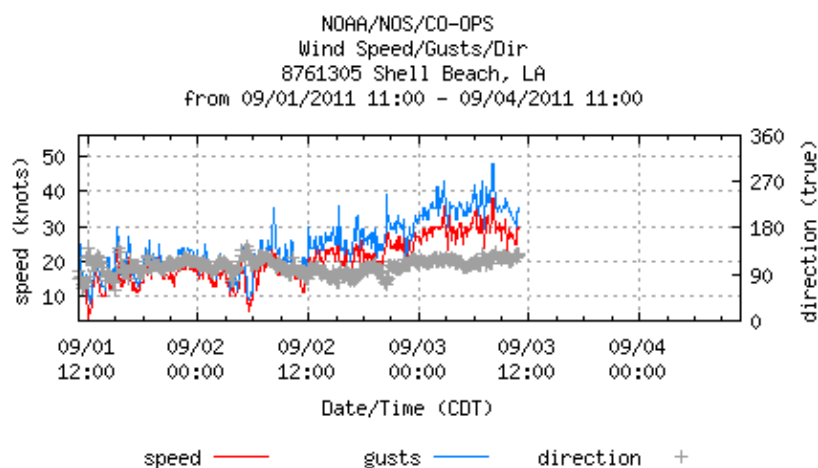
Shell Beach, LA - Return to List



Last Observed Sample: 09/03/2011 10:54 (CDT)  
Relative to MLLW: Observed: 4.33 ft. Predicted: 0.84 ft. Residual: 3.49 ft.  
Historical Maximum Water Level: Sep 1 2008, 8.84 ft. above MHHW

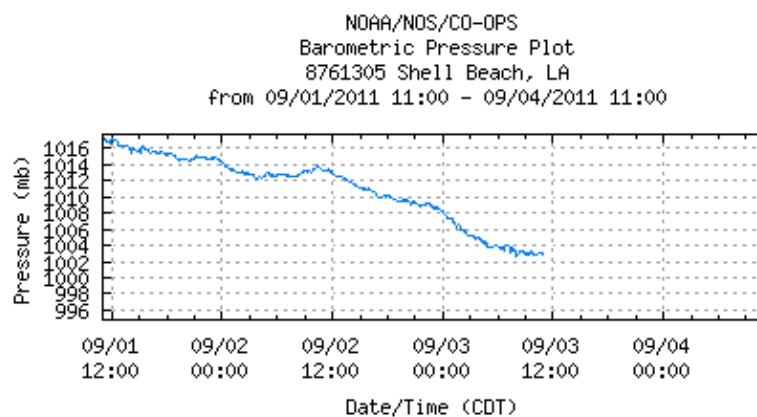


Shell Beach, LA - Return to List



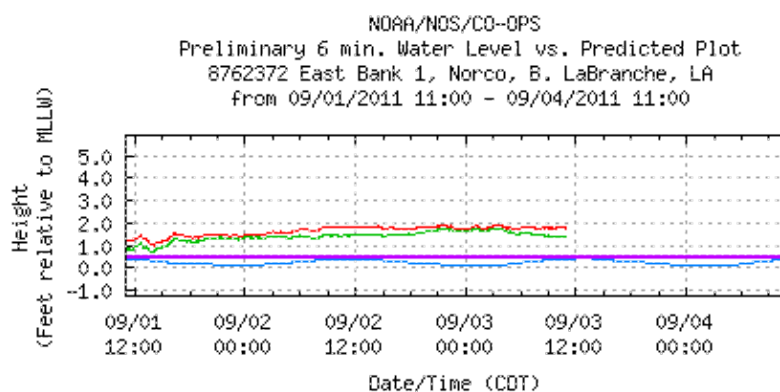
Last Observed Sample: 09/03/2011 10:54 (CDT)  
Wind Speed: 29 knots Gusts: 35 knots Direction: 128° T

Shell Beach, LA - Return to List



Last Observed Sample: 09/03/2011 10:54 (CDT)  
Barometric Pressure: 1002.8 mb

East Bank 1, Norco, B. LaBranche, LA - Return to List



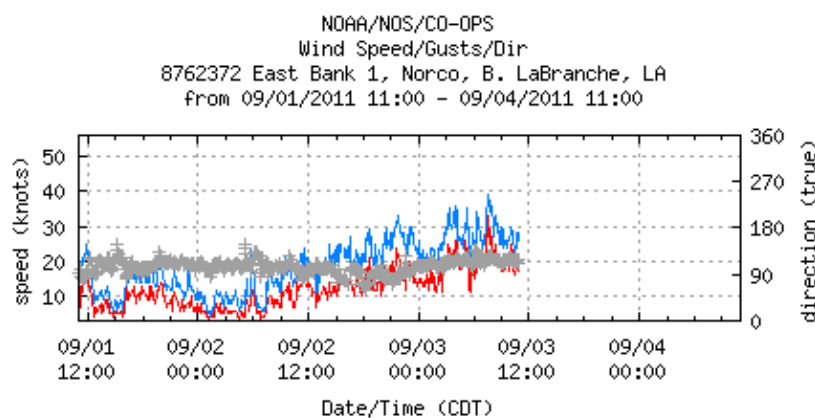
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 10:54 (CDT)

Relative to MLLW: **Observed: 1.76 ft.** **Predicted: 0.40 ft.** **Residual: 1.36 ft.**

Historical Maximum Water Level: Aug 30 2005, 5.3 ft. above MHHW

East Bank 1, Norco, B. LaBranche, LA - Return to List

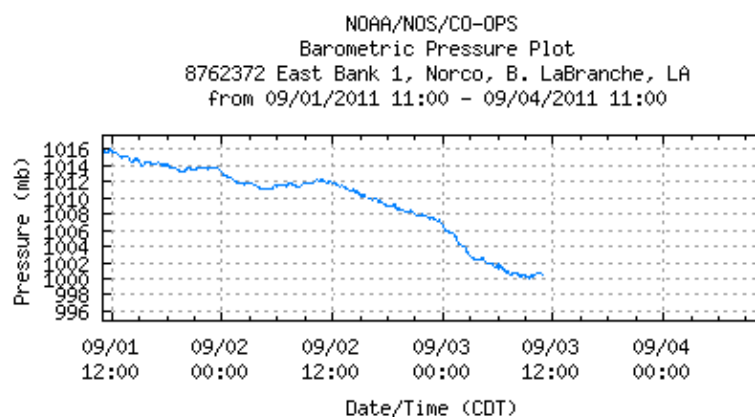


speed — gusts — direction +

Last Observed Sample: 09/03/2011 10:54 (CDT)

**Wind Speed: 17 knots** **Gusts: 28 knots** **Direction: 113° T**

East Bank 1, Norco, B. LaBranche, LA - Return to List

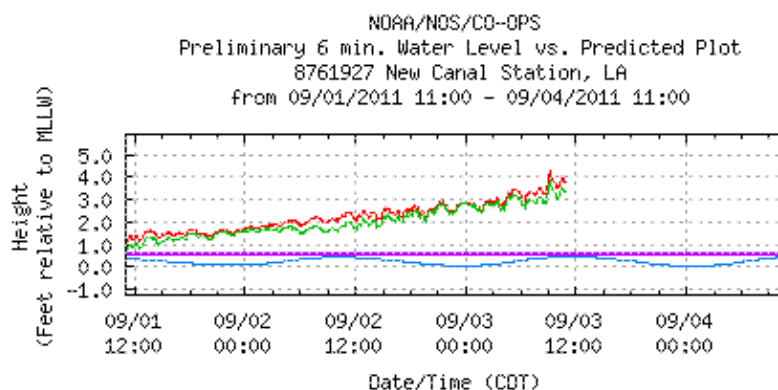


barometric pressure —

Last Observed Sample: 09/03/2011 10:54 (CDT)

Barometric Pressure: 1000.4 mb

New Canal Station, LA - Return to List



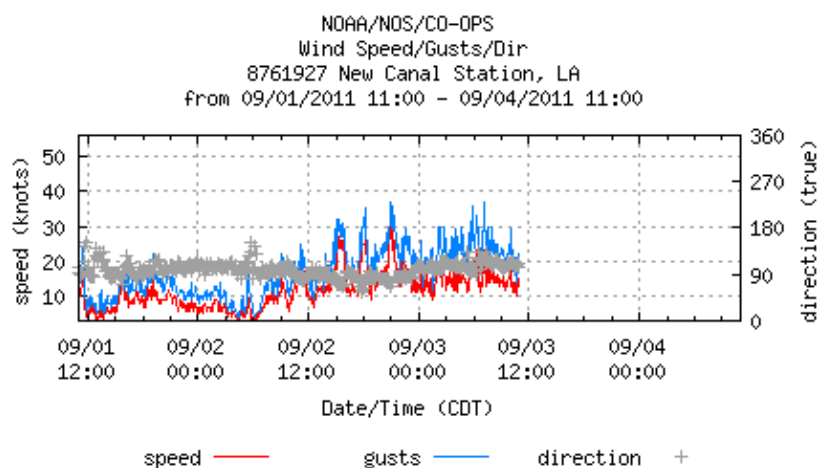
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 10:54 (CDT)

Relative to MLLW: **Observed: 3.81 ft.** **Predicted: 0.46 ft.** **Residual: 3.35 ft.**

Historical Maximum Water Level: Sep 13 2008, 4.98 ft. above MHHW

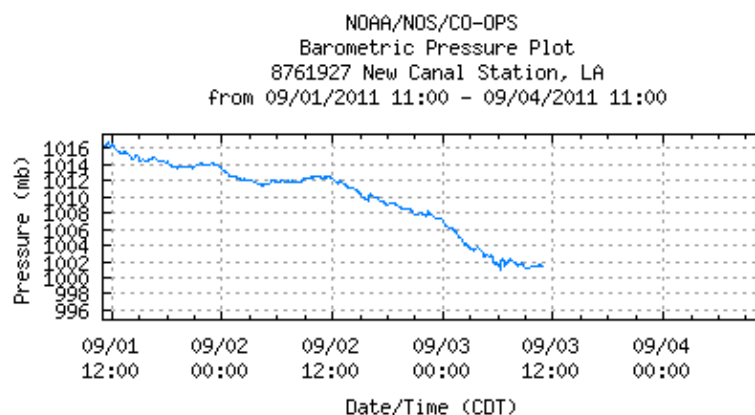
New Canal Station, LA - Return to List



Last Observed Sample: 09/03/2011 10:54 (CDT)

Wind Speed: 13 knots Gusts: 20 knots Direction: 104° T

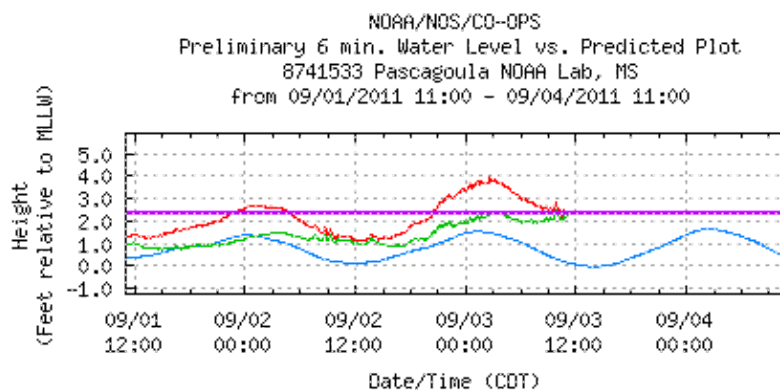
New Canal Station, LA - Return to List



Last Observed Sample: 09/03/2011 10:54 (CDT)

Barometric Pressure: 1001.3 mb

Pascagoula NOAA Lab, MS - Return to List

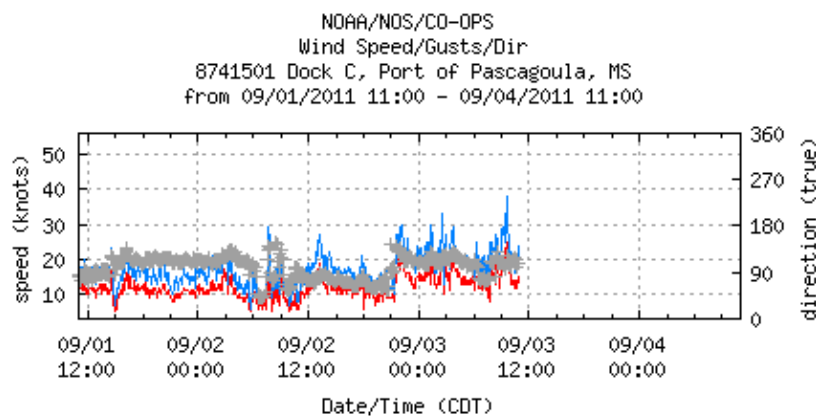


Last Observed Sample: 09/03/2011 11:00 (CDT)

Relative to MLLW: **Observed: 2.41 ft.** **Predicted: 0.16 ft.** **Residual: 2.25 ft.**

Historical Maximum Water Level: Sep 1 2008, 4.9 ft. above MHHW

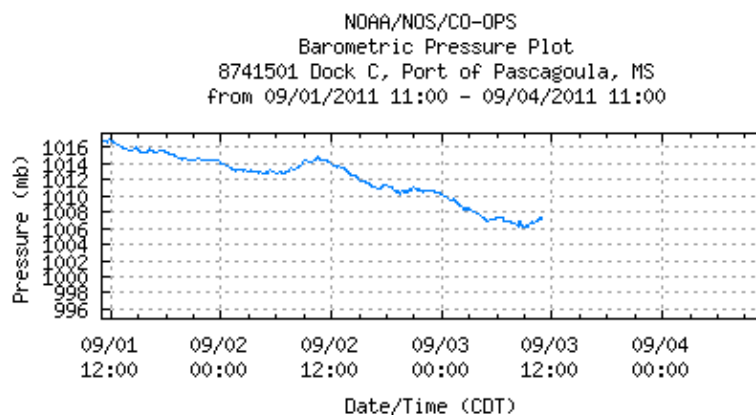
Dock C, Port of Pascagoula, MS - Return to List



Last Observed Sample: 09/03/2011 10:54 (CDT)

**Wind Speed: 15 knots** **Gusts: 20 knots** **Direction: 109° T**

Dock C, Port of Pascagoula, MS - Return to List

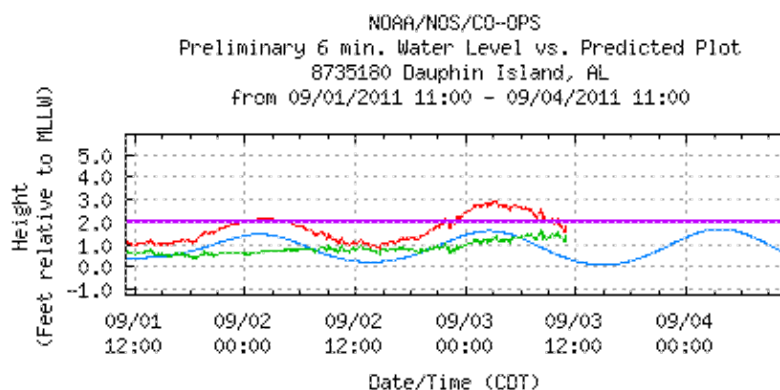


barometric pressure —

Last Observed Sample: 09/03/2011 10:54 (CDT)

Barometric Pressure: 1007.2 mb

Dauphin Island, AL - Return to List



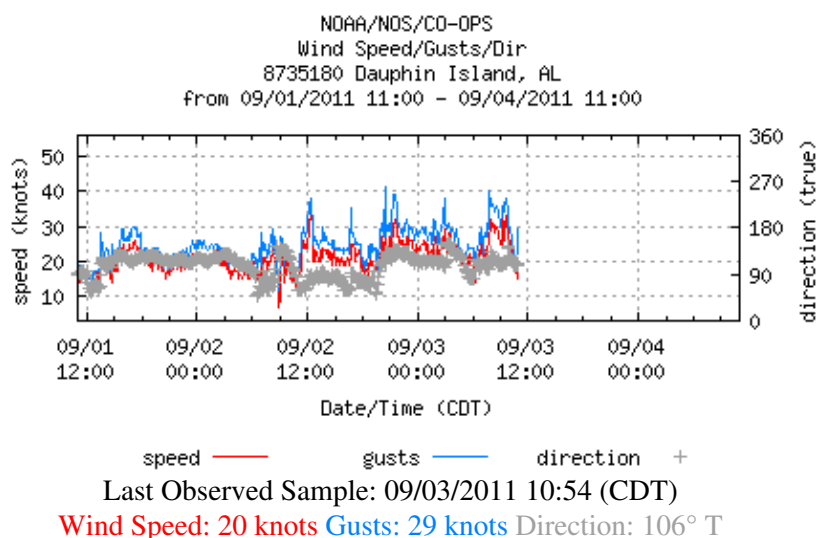
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 10:54 (CDT)

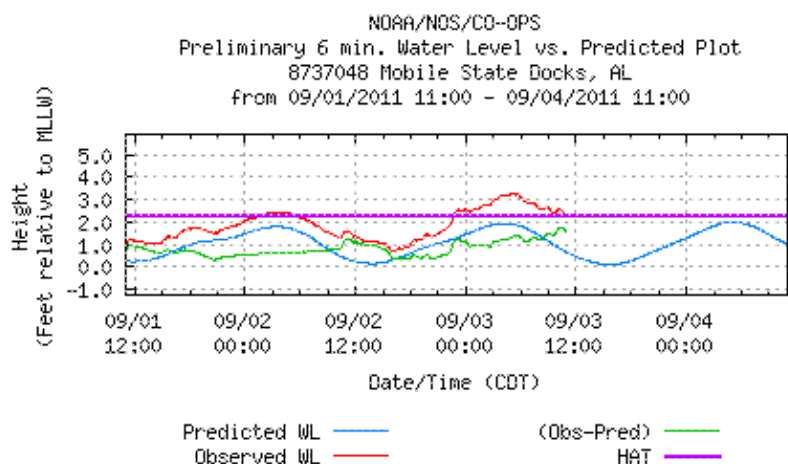
Relative to MLLW: **Observed: 1.81 ft.** **Predicted: 0.40 ft.** **Residual: 1.41 ft.**

Historical Maximum Water Level: Sep 2 1985, 3.36 ft. above MHHW

Dauphin Island, AL - Return to List

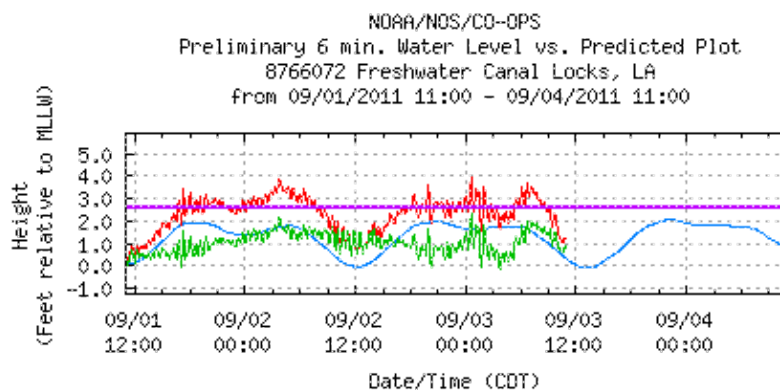


Mobile State Docks, AL - Return to List



Last Observed Sample: 09/03/2011 10:54 (CDT)  
Relative to MLLW: Observed: 2.25 ft. Predicted: 0.67 ft. Residual: 1.58 ft.  
Historical Maximum Water Level: Sep 26 2002, 3.64 ft. above MHHW

[Freshwater Canal Locks, LA - Return to List](#)



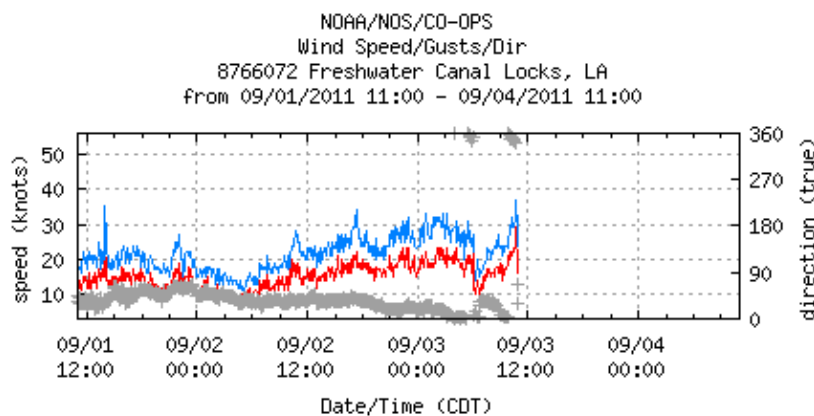
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 10:54 (CDT)

Relative to MLLW: **Observed: 1.19 ft.** **Predicted: 0.34 ft.** **Residual: 0.85 ft.**

Historical Maximum Water Level: Sep 12 2008, 7.98 ft. above MHHW

[Freshwater Canal Locks, LA - Return to List](#)



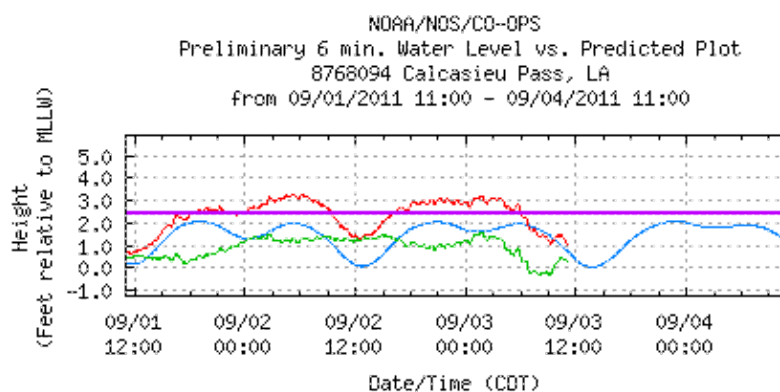
speed — gusts — direction +

Last Observed Sample: 09/03/2011 10:54 (CDT)

**Wind Speed: 20 knots** **Gusts: 24 knots** **Direction: 65° T**



Calcasieu Pass, LA - Return to List



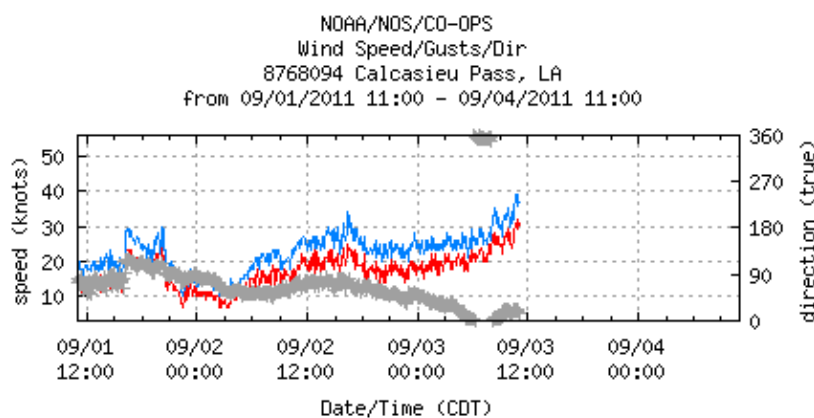
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 11:00 (CDT)

Relative to MLLW: **Observed: 1.06 ft.** **Predicted: 0.76 ft.** **Residual: 0.30 ft.**

Historical Maximum Water Level: Sep 13 2008, 9.96 ft. above MHHW

Calcasieu Pass, LA - Return to List

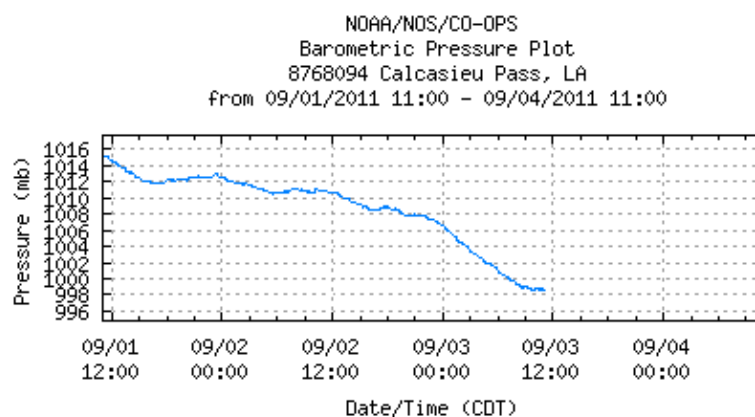


speed — gusts — direction +

Last Observed Sample: 09/03/2011 11:00 (CDT)

**Wind Speed: 31 knots** **Gusts: 37 knots** **Direction: 14° T**

Calcasieu Pass, LA - Return to List

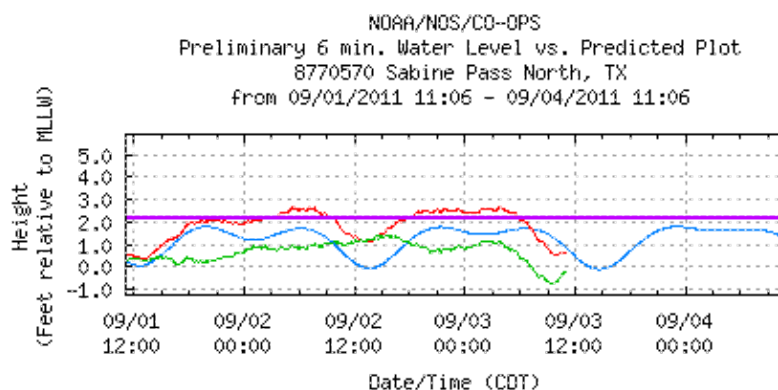


barometric pressure —

Last Observed Sample: 09/03/2011 11:00 (CDT)

Barometric Pressure: 998.6 mb

Sabine Pass North, TX - Return to List



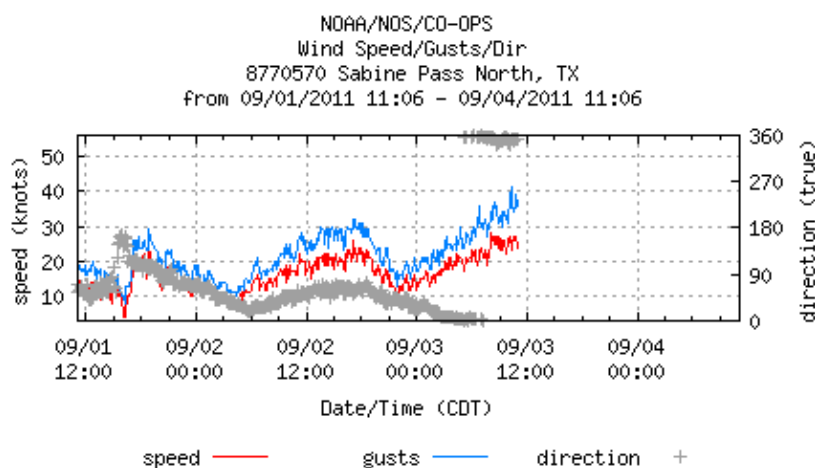
Predicted WL — (Obs-Pred) —  
Observed WL — HAT —

Last Observed Sample: 09/03/2011 10:54 (CDT)

Relative to MLLW: **Observed: 0.66 ft. Predicted: 0.90 ft. Residual: -0.24 ft.**

Historical Maximum Water Level: Sep 11 1998, 3.32 ft. above MHHW

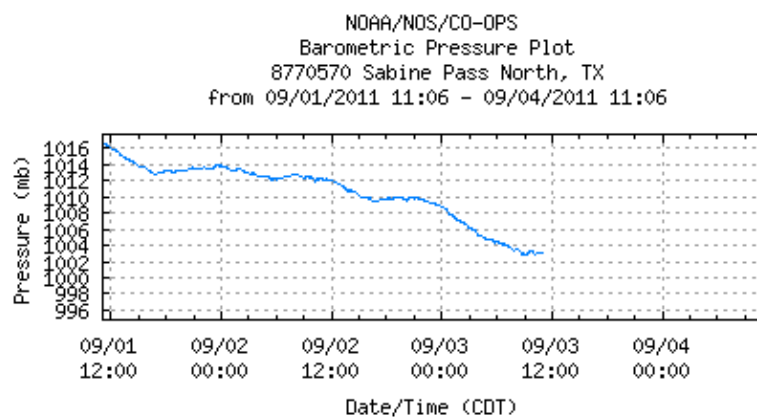
[Sabine Pass North, TX - Return to List](#)



Last Observed Sample: 09/03/2011 10:54 (CDT)

Wind Speed: 24 knots Gusts: 36 knots Direction: 353° T

[Sabine Pass North, TX - Return to List](#)



Last Observed Sample: 09/03/2011 10:54 (CDT)

Barometric Pressure: 1003.0 mb

Tropical Storm LEE QuickLook, POSTED 11:00 CDT 09/03/2011

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)  
National Oceanic and Atmospheric Administration | U.S. Department of Commerce